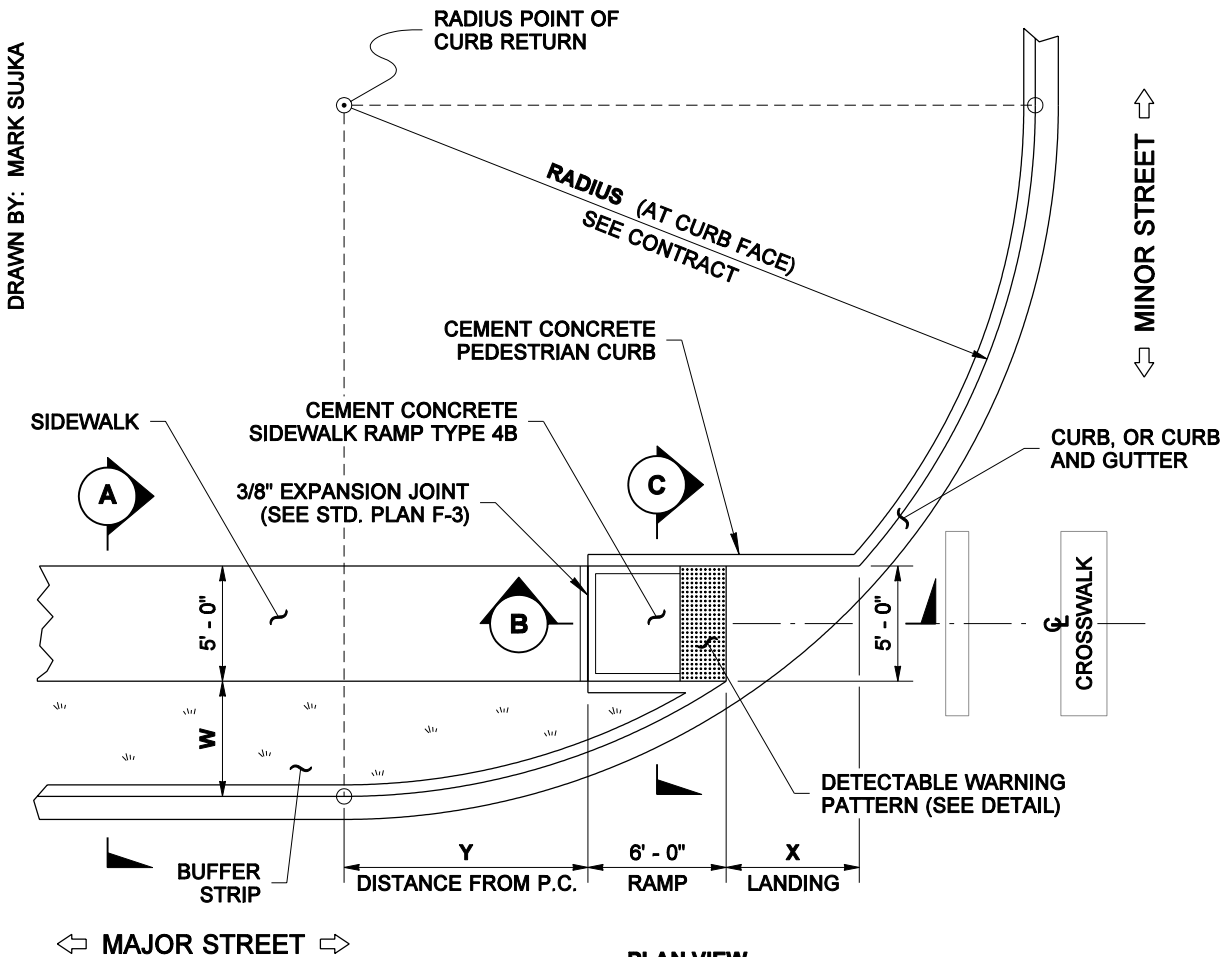
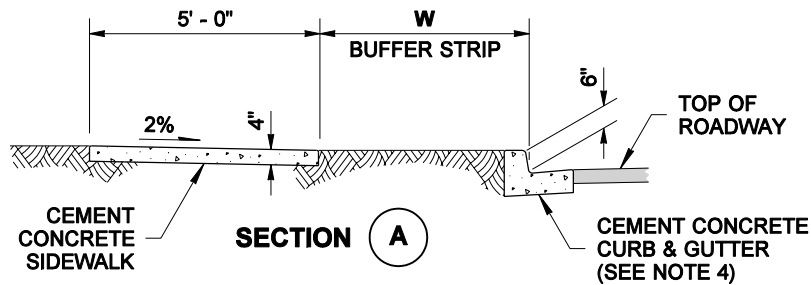


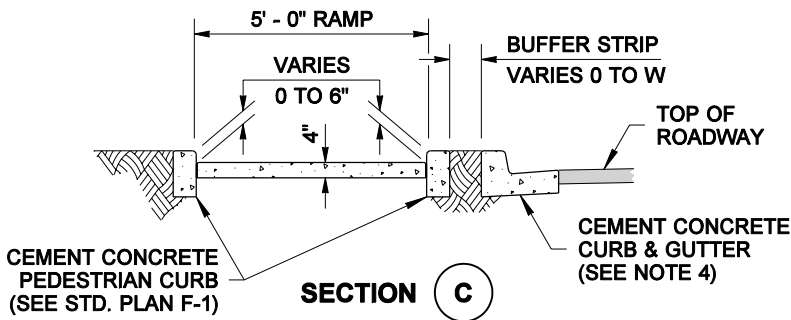
DRAWN BY: MARK SUJKA



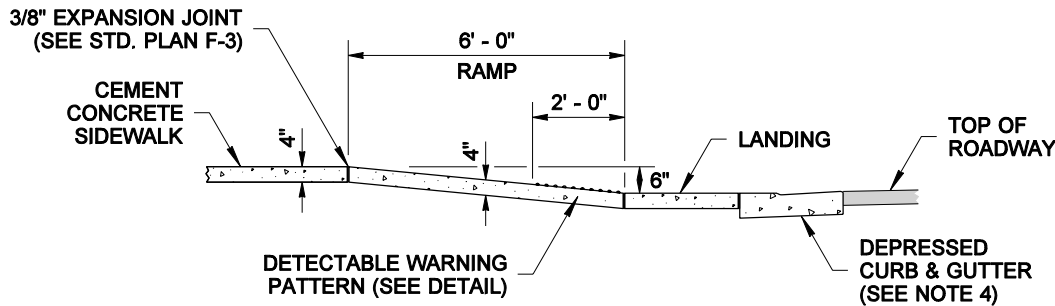
PLAN VIEW
SIDEWALK RAMP TYPE 4B
PLAN



SECTION A



SECTION C



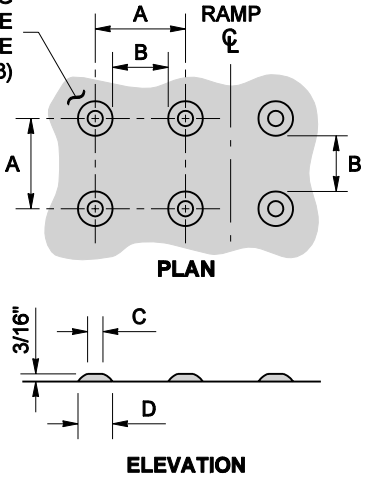
SECTION B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5' - 5 1/2"	4' - 6 1/2"	4' - 8 1/2"	6' - 0"	4' - 1"	7' - 2 3/4"	3' - 7"	8' - 3 1/2"	3' - 1 1/2"	9' - 2 1/2"
30 FEET	7' - 3 3/4"	7' - 1"	6' - 5 1/2"	8' - 11 1/2"	5' - 9 1/4"	10' - 7"	5' - 2 1/2"	12' - 0"	4' - 8 3/4"	13' - 3 1/4"
40 FEET	8' - 9 1/2"	9' - 2 1/2"	7' - 10"	11' - 5 1/4"	7' - 1"	13' - 4 1/2"	6' - 5 3/4"	15' - 3/4"	5' - 11 1/2"	16' - 7 1/4"
50 FEET	10' - 3/4"	11' - 3/4"	9' - 1/4"	13' - 7 1/4"	8' - 2 1/2"	15' - 9 1/2"	7' - 6 1/2"	17' - 9"	6' - 11 3/4"	19' - 6 1/4"
60 FEET	11' - 2 1/2"	12' - 8 3/4"	10' - 3/4"	15' - 6 1/2"	9' - 2 1/4"	17' - 11 3/4"	8' - 5 3/4"	20' - 1 3/4"	7' - 10 1/2"	22' - 1 1/2"
70 FEET	12' - 2 3/4"	14' - 3 1/4"	11' - 1/4"	17' - 4"	10' - 1"	19' - 11 3/4"	9' - 3 3/4"	22' - 4 1/4"	8' - 8 1/4"	24' - 6 1/4"
80 FEET	13' - 2"	15' - 8 1/2"	11' - 10 1/2"	18' - 11 3/4"	10' - 10 3/4"	21' - 10"	10' - 1"	24' - 4 3/4"	9' - 5"	26' - 8 3/4"
90 FEET	14' - 1/2"	17' - 1/2"	12' - 8 1/4"	20' - 6 1/2"	11' - 7 3/4"	23' - 7"	10' - 9 3/4"	26' - 3 3/4"	10' - 1 1/4"	28' - 9 1/2"
100 FEET	14' - 10 1/2"	18' - 3 3/4"	13' - 5 1/2"	22' - 0"	12' - 4 1/4"	25' - 2 3/4"	11' - 5 3/4"	28' - 1 1/2"	10' - 9"	30' - 9"

INTERMEDIATE RADII CAN BE INTERPOLATED

DETECTABLE WARNING
PATTERN AREA SHALL BE
YELLOW, IN COMPLIANCE
WITH STD. SPEC. 8-14.3(3)

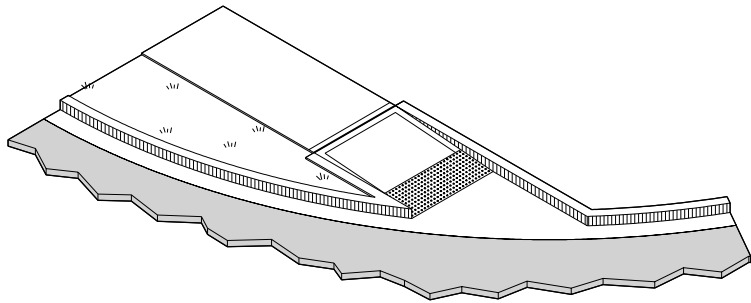
	MIN.	MAX.
A	1 5/8"	2 3/8"
B	5/8"	1 1/2"
C	7/16"	3/4"
D	7/8"	1 7/16"



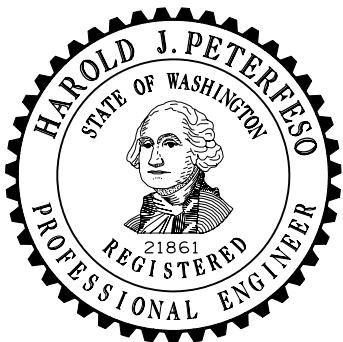
TRUNCATED DOMES (SEE NOTE 6)
DETECTABLE WARNING
PATTERN DETAIL

NOTES

1. This layout is used to provide access to a single crosswalk parallel to the major street. The bid item "Cement Conc. Sidewalk Ramp Type 4B" does not include the adjacent Curb (or Curb & Gutter), the Sidewalk, or the Cement Conc. Pedestrian Curb.
2. Ramp slopes shall not be steeper than 12H:1V.
3. Avoid placing drainage structures, junction boxes or other obstructions in front of ramp access areas.
4. Curb & Gutter is shown, see the Contract Plans for the curb design specified. See Standard Plan F-1 for curb details.
5. See Std. Plan F-3 for sidewalk joint placement and details.
6. Detectable warning patterns may be created by any method that will achieve the truncated dome dimensions and spacing shown.



ISOMETRIC VIEW



EXPIRES MAY 16, 2005

SIDEWALK RAMP TYPE 4B
WITH LAYOUT

STANDARD PLAN F-3e

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso 02-09-05

STATE DESIGN ENGINEER

DATE



Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.